

1/8

FOOT-26E000T

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* * * * *
SEQ ID NO: 17 MQTPE-PFTDLEHEPH---TPLLDDHHNPPPPQTTT---KPLFTRVVGVTFLFFGFA
SEQ ID NO: 2 MTTT-KPFSDDLED-----APLLNHTTEPPPPPPPTAGRKRLLIKVVSVITLLILLIV-S
SEQ ID NO: 4 MTTPEQPIITDLEHEPNHNRTPLLDHNESQPVK-----KHLFFKVLGVTFLSFLFISA
SEQ ID NO: 6 -----
1
60
* * * * *
SEQ ID NO: 17 IVFIVLNQONSSVRIVTNSEKSFIRYSQTDRLSWERTAFHFQPAKNFIYDPDGLFHMGW
SEQ ID NO: 2 VLF--LNQONSS-----HSTTNSKISQSDRLIERTSFHFQPAKNFIYDPDGLFHMGW
SEQ ID NO: 4 FLFIVLNQONST-----NISVKYSQSDRLITWERTAFHFQPAKNFIYDPDGLFHMGW
SEQ ID NO: 6 -----
61
120
* * * * *
SEQ ID NO: 17 YHMFYQYNPYAPVWGNMWSGHVSVDKMINWYELPVAMVPTWYDIEGVLGSGSTTVLPNGQ
SEQ ID NO: 2 YHLFYQYNPYGPVWGNMWSGHVSVDKMINWFELPVALVPTWYDIEGVLGSGSTTVLPNGQ
SEQ ID NO: 4 YHLFYQYNPYAPVWGNMWSGHVSVDKMINWYELPVAIVPTWYDIEGVLGSGITVLPNGQ
SEQ ID NO: 6 -----
121
180
* * * * *
SEQ ID NO: 17 IFALYTGANDFSQLQCKAVPVNLSDDLIEWVKYEDNPILYTPPGIGLKDYRDPSTVWT
SEQ ID NO: 2 IFALYTGANDFSQLQCKAVPVNISDPLLIEWVKYDGNPILYTPPGIGLKDYRDPSTVWT
SEQ ID NO: 4 IFALYTGANDFSQLQCKAVPVNSSDPLLVWVKYEDNPILYTPPGIGLKDYRDPSTVWT
SEQ ID NO: 6 -----TR--STVWT
181
240
```

FIG. 1A

FIG. 1B

```
***** ** ** ** ** ** ***** ** ***** **
SEQ ID NO: 17 GPDGKHRMIMGTGKRGNTGMVLVYTTDYTNVELLDEPLHVPNTDMWECVDFYFVSLTND
SEQ ID NO: 2 GPDGKHRMIMGSKRNKTGLVLVYHTTDFNTYVMSDEPLHVPNTDMWECVDFYFVSLTND
SEQ ID NO: 4 GPDGKHRMIMGTGKRGNTGMILVYHTTDDYTNYEMLNEMHVPNTDMWECVDFYFVSLTND
SEQ ID NO: 6 GPDGKHRMIMGSKRGNTGMILVYHTTDDYTNVELLDEPLHVPNTDMWECVDFYFVSLTND
241 300

***** ** ** ** * ***** ** ***** **
SEQ ID NO: 17 SALDMAAYGSGIKHVIKESWEGHGMWYSIGTYDAINDKWTDPNPELDVGIGLRCDYGRF
SEQ ID NO: 2 SALDMAAYGSGIKHVIKESWEGHGMWYSIGTYDASTDKWTDPNPKLDVGIGLRCDYGRF
SEQ ID NO: 4 SALDIAAYGSGIKHVIKESWEGYGMDFYSIGTYDAFNDKWTDPNPELDVGIGLRCDYGRF
SEQ ID NO: 6 SALDMAAYGSGIKHVIKESWEGHGMWYSIGTYDAINDKWTDPNPELDVGIGLRCDYGRF
301 360

***** ** ** ** * ***** ** ***** **
SEQ ID NO: 17 FASKSLYDPLKKRRITWGYVGESDSADQDLRGWATVYNVGRITVLDKRTGTHLLHPVE
SEQ ID NO: 2 FASKSLFDPLKKRRVTWGYVGESDKPDQDLRGWATIYNVARTVLDKRTGTHLLHPVE
SEQ ID NO: 4 FASKSIFDPVKKRRITWAYVGESDNADDLDRGWATIYNVGRITVLDKRTGTHLLHPVE
SEQ ID NO: 6 FASKSLYDPLKKRRVTWAYVGESDSVDQDLRGWATVYNVGRITVLDKRTGTHLLHPVE
361 420

***** ** ** ** * ***** ** ***** **
SEQ ID NO: 17 EVESLRYNGQEFKEIKLEPGSIIPLDIGTATQLDIVATFEVDQAALNATSETDDIYGCTT
SEQ ID NO: 2 EIESLRSNGQEFNEIELKPGSIIPLDIGSATQLDIVATFEVDQDALKAISETNEEYICTK
SEQ ID NO: 4 EIESLRYNGQEFKEIKLEPGSIAPLDIGTATQLDIVATFKVDEAALNATSETDDNFACCT
SEQ ID NO: 6 EVESLRYNGQEFKEIELEPGSIIPLDIGTATQLDIVATFEVDQAALNATSETDDIYGCTT
421 480
```

FIG. 1B

3/8

FIG. 1C

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* * * * * ** * * * * * ** * * * * * ** * * * * *
SEQ ID NO: 17 SLGAAQSGSLGPFGLAVIADGTLSELTVPVYFYIAKKADGGVSTHFCTDKLRSSLDYDGER
SEQ ID NO: 2  SWGAAGRSGSLGPFGLAVIADGTLSELTVPVYFYIAKNTDGSVATHFCTDKLRSSLDYDRER
SEQ ID NO: 4  SSGAVERGSLGPFGLAVIADGTLSELTVPVYFYIAKKADGGVSTHFCTDKLRSSLDYDGER
SEQ ID NO: 6  SLGAAQSGSLGPFGLAVIADGTLSELTVPVYFYIAKKADGGVSTHFCTDKLRSSLDYDGER
481
* * * * * ** * * * * * ** * * * * * ** * * * * *
SEQ ID NO: 17 VYGGTVPVLDDEELTMRLLLVDHSIVEGFAQGGRTVITSRVYPTKAIYEQAKLFLFNNAT
SEQ ID NO: 2  VYGGTVPVLDDEELTMRLLLVDHSIVEGFAQGGRTVITSRVYPTKAIYEQAKLFLFNNAT
SEQ ID NO: 4  VYGGTVPVLDDEELTMRLLLVDHSIVEGFAQGGRTVITSRVYPTKAIYEQAKLFLFNNAT
SEQ ID NO: 6  VYGGTVPVLDDEELTMRLLLVDHSIVEGFAQGGRTVITSRVYPTKAIYEQAKLFLFNNAT
541
* * * * * ** * * * * * ** * * * * * ** * * * * *
SEQ ID NO: 17 GTSVKASLKIWMASAPIHQYPF-
SEQ ID NO: 2  GTSVKASLKIWMASAPIHQYPF-
SEQ ID NO: 4  DTSVKASLKIWMASAPIHQYEFN
SEQ ID NO: 6  GTSVKASLKIWMASAPIHQYSF-
601
624
```

FIG. 1C

4/8

TEDEOT-26E0001

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* *
SEQ ID NO:21 MSHGKPPLPYAYKPLPSDAADGKRTGCMRWSACATVLTASAMAVVVGATLLAGLRMEQ ***
SEQ ID NO: 8 -----
SEQ ID NO:10 -----
SEQ ID NO:12 -----
SEQ ID NO:20 MASESSRR-----GDSTSTRR-----RSGQEPLAVLVSAKNQSSSEERAGGLRV--
1 60

*****
AVDEEAAAGGFPWSNEMLQWQSRSGYHFQTAKNYMSDPNGLMYRGWYHMFYQYNPVGTDW *****
SEQ ID NO:21 -----
SEQ ID NO: 8 -----
SEQ ID NO:10 -----
SEQ ID NO:12 -----
SEQ ID NO:20 --DEEAAAG-FPWSNEMLQWQSRSGYHFQTAKNYMSDPNGLMYNGWYHMFYQYNPVGTDW
61 120

*****
DDGMWGHAVSRNLVQWRTLPIAMVADQWYDILGVLGSGMTVLPNGTVIMIYTGATNAS *****
SEQ ID NO:21 -----
SEQ ID NO: 8 ---TRWGHAVSRNLVQWRTLPIAMVADQWYDILGVLGSGMTVLPNGTVIMIYTGATNAS
SEQ ID NO:10 -----ARD-----DILGVLGSGMTVLPNGTVIMIYTGATNAS
SEQ ID NO:12 -----
SEQ ID NO:20 DDGMWGHAVSRNLVQWRTLPIAMVADQWYDILGVLGSGMTVLPNGTVIMIYTGATNAS
121 180

*****
VEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGVGTGKDFRDPMTAWYDESDDTWRTL LG *****
SEQ ID NO:21 -----
SEQ ID NO: 8 IEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGIGTKDFRDPMTAWYDESDDTWRTL LG
SEQ ID NO:10 VEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGIGTKDFRDPMTAWYDESDDTWRTL LG
SEQ ID NO:12 -----
SEQ ID NO:20 VEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGIGTKDFRDPMTAWYDESDDTWRTL LG
181 240
```

FIG. 2A

5/8

TOOEEOT = 26EE000T

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**** *****
SEQ ID NO:21 SKDDHDGHHGDIAMMYKTKDFLNYELIPGILHRVVRTGEWECIDFPVGRSSDNDSEML
SEQ ID NO: 8 SKDDQDGHGHDGIAMMYKTKDFLNYELIPGILHRVERTGEWECIDFPVGRSSDNDSEML
SEQ ID NO:10 SKDDHDGHHGDIAMMYKTKDFLNYELIPGILHRVQRTGEWECIDFPVGHRSNDNDSEML
SEQ ID NO:12 -----
SEQ ID NO:20 SKDDHDGHHGDIAMMYKTKDFLNYELIPGILHRVQRTGEWECIDFPVGHRSNDNDSEML
241 300

**** ***** *
SEQ ID NO:21 HVLKASMDDERHDYYSLGTYDASAANTWTPIDPELDLIGILRYDWGKFYASTSFYDPAKNR
SEQ ID NO: 8 HVLKASMDDERHDYYSLGTYDASAANTWTPIDPELDLIGILRYDWGKFYASTSFYDPAKNR
SEQ ID NO:10 HVLKASMDDERHDYYSLGTYDASAANAWTPIDPELDLIGILRYDWGKFYASTSFYDPAKNR
SEQ ID NO:12 -----
SEQ ID NO:20 HVLKASMDDERHDYYSLGTYDASAANAWTPIDPELDLIGILRYDWGKFYASTSFYDPAKNR
301 360

**** *****
SEQ ID NO:21 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELT
SEQ ID NO: 8 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELS
SEQ ID NO:10 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELS
SEQ ID NO:12 -----
SEQ ID NO:20 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELS
361 420

**** *****
SEQ ID NO:21 DVTINTGSGVIHIPLRQGTQDIEASFHLDASAVAALNEADVGYNCSSSGGAVNRGALGPF
SEQ ID NO: 8 DVTMTGSGVIHIPLRQGTQDIEATFHLDASAVAALNEADVGYNCSSSGGAVNRGALGPF
SEQ ID NO:10 DVTTLTGSGVIHIPLRQGTQDIEATFHLDASAVAALNEADVGYNCSSSGGAVNRGALGPF
SEQ ID NO:12 -----
SEQ ID NO:20 DVTTLTGSGVIHIPLRQGTQDIEATFHLDASAVAALNEADVGYNCSSSGGAVNRGALGPF
421 480
```

FIG. 2B

6/8

FIG. 2C

```
*****
SEQ ID NO: 21  GLLVLAAGDRRGEQTAVFYFVSRGLDGGGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
SEQ ID NO: 8   GLLVLAAGDRRGEQTAVFYFVSRGLDGGGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
SEQ ID NO: 10  GLLVLAAGDRRGEQTAVFYFVSRGLDGGGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
SEQ ID NO: 12  -----
SEQ ID NO: 20  GLLVLAAGDRRGEQTAVFYFVSRGLDGGGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
                481      540

*****
SEQ ID NO: 21  EALSMRVLVDHSIVQGFDMGGRTTMTSRVYPMEYQEARVYLFNNATGASVTAERLVVHE
SEQ ID NO: 8   EAFSMRVLVDHSIVQGFAMGGRTTMTSRVYPMEYQEARVYLFNNATGASVMAERLVVHE
SEQ ID NO: 10  EAFSMRVLVDHSIVQGFAMGGRTTMTSRVYPMEYQEARVYLFNNATGASVMAERLVVHE
SEQ ID NO: 12  -----ARATMTSRVYPMEYQEARVYLFNNATGASVTAERLVVHE
SEQ ID NO: 20  EAFSMRVLVDHSIVQGFAMGGRTTMTSRVYPMEYQEARVYLFNNATGASVMAERLVVHE
                541      600

*****
SEQ ID NO: 21  MDSAHNQLSNEDDGMYLHQVLESRH
SEQ ID NO: 8   MDSAHNQLSNMDDYSYVQ-----
SEQ ID NO: 10  MDSAHNQLSNMDDHSYVQ-----
SEQ ID NO: 12  MDSAHNQLSNMDDYSYVQ-----
SEQ ID NO: 20  MDSAHNQLSNMDDHSYVQ-----
                601      625
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FIG. 2C

[illegible]

FIG. 3A

8/8

FOOET = 26EEDOOT

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*****
SEQ ID NO:18 PENDVGIGLRYDFGKFYASKTFYDQHKRRVLWGYYVGETDPQKYDLSKGWANI LNIPRTVVLDLETKTNLIQ *****
SEQ ID NO:14 PENDVGIGLRYDYGKFYASKTFYDQHKRRVLWGYYVGETDPEKYDLTKGWANI LNIPRTVVLDTKTKTNLIQ *****
SEQ ID NO:16 PENDVGIGLRYDFGKFYASKTFYDQHKRRVLWGYYVGETDPQKYDISKGWANI LNIPRTVVLDTKTKTNLIQ *****
351

*****
SEQ ID NO:18 WPIEETENLRSKKYDEFKDVLRPGALVPLEIGTATQLDIVATFEIDQKMLESTLEADVLFNCTTSEGVAR *****
SEQ ID NO:14 WPIEETENLRSKKYDFVDVLRPGSLPLEIGTATQLDIVATFEVDQMMLESTLEADVLFNCTTSGSVGR *****
SEQ ID NO:16 WPIEETENLRSKTYDEFKDVLRPGSLVPLEIGTATQLDIVATFEIDQKMLESTLEADVLFNCTTSEGVAR *****
423

*****
SEQ ID NO:18 SVLGPFVGVVVLADAQRSEQLPVYFYIAKDIDGTSRTYFCADETRSSKDVSVGKWVYGSSVPVLPGEKYNMRL *****
SEQ ID NO:14 GVLGPFVGVVVLADAQRTEQLPVYFYIAKDTGTSRTYFCADETRSSKDVSVGKWVYGSSVPVLPNEKYNMRL *****
SEQ ID NO:16 GALGPFVGVVVLADAQRSEQLPVYFYIAKDIDGTSRTYFCADETRSSKDVSVGKWVYGSSVPVLPGEKYNMRL *****
495

*****
SEQ ID NO:18 LVDHSIVEGFAQNGRTVVTSTRVYPTKAIYNAKVFLFNNAATGISVKASIKIWKMGAEALNPFPPLPGWTFEL *****
SEQ ID NO:14 LVDHSIVEGFAQNGRTVVTSTRVYPTKAIYNAKVFLFNNAATGIRVKASVKIWKMAEALNPFPVTGWTSS-- *****
SEQ ID NO:16 LVDHSIVEGFAQNGRTVVTSTRVYPTKAIYNAKVFLFNNAATGISVKASIKIWKMAEALNPFPPLPGWTFEL *****
564

*****

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FIG. 3B